SPACE LIFE SCIENCES SYMPOSIUM (A1)
Behaviour, Performance and Psychosocial Issues in Space (1)

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"DUSK TURNING-DOWN" PHENOMENON DURING 60-DAY HEAD-DOWN BED REST EXPERIMENT

Abstract

Background: Relevant research have showed that there existed a "third quarter" in interpersonal conflict during long-term HDBR experiments. In our 60-day HDBR, We occasionally found a "dusk turning-down" phenomenon in the day time during the third quarter season. Method: Subjects were 24 healthy adult males. Behavior observation was employed to collect subjects' state changing data, diary content analysis and short face to face interview were conducted for getting their emotional data, and their water drinking amount was used to provide evidence of emotion changing. Nonparametric test was used to get the difference significance of frequency. Results: Close observation showed that during the third quarter season, around the dusk moment, their ringing frequency was significantly higher than that at the same time of other three stagesp¡.05, with more negative facial expression and keeping sucker in mouth. 30